

Enunciados

Escribe del modo más sencillo posible el resultado de estas operaciones.

$$\textcircled{1} \quad \frac{(x+3)^3}{(x-2)^2} \cdot \frac{(x+3)^4}{(x-2)^3}$$

$$\textcircled{2} \quad \frac{(x-5)^7}{(x+4)^3} \cdot \frac{(x-5)^2}{(x+4)^2}$$

$$\textcircled{3} \quad \frac{x^2+12x+36}{x-3} \cdot \frac{x^2-9}{x+6}$$

$$\textcircled{4} \quad \frac{x^2-36}{x-5} \cdot \frac{x^2-12x+36}{x^2-10x+25}$$

$$\textcircled{5} \quad \frac{4x+2}{x^2-1} \cdot \frac{x-1}{2x+1}$$

$$\textcircled{6} \quad \frac{x^2+5x+6}{x-5} \cdot \frac{x+3}{x^2-8x+15}$$

$$\textcircled{7} \quad \frac{x+3}{x^2+6x+5} \cdot \frac{x^2+4x+3}{x+5}$$

$$\textcircled{8} \quad \frac{x^2-x-2}{x^2-5x-6} \cdot \frac{x-2}{x-6}$$

$$\textcircled{9} \quad \frac{x^2-2x}{x^2-7x+10} \cdot \frac{x^2+x-12}{x^2-3x}$$

$$\textcircled{10} \quad \frac{4x+32}{2x-6} \cdot \frac{x+8}{x-3}$$

$$\textcircled{11} \quad \frac{x^2+10x+24}{x^2+4x-5} \cdot \frac{x^2+11x+30}{x^2+3x-4}$$

$$\textcircled{12} \quad \frac{x^7}{4x^2+12x+9} \cdot \frac{x^5}{2x+3}$$

$$\textcircled{13} \quad \frac{x+1}{x^2-4x+4} \cdot \frac{x-2}{x^2+2x+1}$$

$$\textcircled{14} \quad \frac{14}{(x+9)^7} \cdot \frac{7}{(x+9)^4}$$

$$\textcircled{15} \quad \frac{x-4}{x+8} \cdot \frac{x+8}{x} \cdot \frac{x^6}{x-4}$$

$$\textcircled{16} \quad \frac{1}{x+1} \cdot \frac{1}{x^2+2x+1}$$

Soluciones

$$\textcircled{1} \quad \frac{(x+3)^7}{(x-2)^5}$$

$$\textcircled{2} \quad \frac{(x-5)^5}{x+4}$$

$$\textcircled{3} \quad (x+6)(x+3)$$

$$\textcircled{4} \quad \frac{(x+6)(x-5)}{x-6}$$

$$\textcircled{5} \quad \frac{2}{x+1}$$

$$\textcircled{6} \quad (x+2)(x-3)$$

$$\textcircled{7} \quad \frac{(x+3)^2}{(x+5)^2}$$

$$\textcircled{8} \quad 1$$

$$\textcircled{9} \quad \frac{x+4}{x-5}$$

$$\textcircled{10} \quad 2$$

$$\textcircled{11} \quad \frac{(x+6)^2}{(x-1)^2}$$

$$\textcircled{12} \quad \frac{x^2}{2x+3}$$

$$\textcircled{13} \quad \frac{1}{(x-2)(x+1)}$$

$$\textcircled{14} \quad \frac{2}{(x+9)^3}$$

$$\textcircled{15} \quad x^5$$

$$\textcircled{16} \quad x+1$$